

PLUMBING FIXTURE SCHEDULE									
MARK	FIXTURE	MANUFACTURER	MODEL	MOUNT	ROUGH-IN SCHEDULE				FITTINGS AND REMARKS
					COLD	HOT	WASTE	VENT	
L-1	LAVATORY ADA 2-STATIONS	BRADLEY	VERGE LVRD2	WALL	1/2"	1/2"	1 1/2"	1 1/2"	2-STATION UNIT, 4" CENTER-SET FAUCET DRILLING (2-FAUCETS), NO SOAP DISPENSER, STAINLESS STEEL ACCESS PANEL, PVC P-TRAP, PROVIDE SLOAN BATTERY INFRARED SENSOR FAUCET EF6660-202-0000 CP WITH THERMOSTATIC MIXING VALVE. PROVIDE MCGUIRE LFBV2165CC SUPPLY STOPS. ALL AVAILABLE COLORS FOR SELECTION BY ARCHITECT. REFER TO ARCHITECT'S PLANS FOR HEIGHT AND WALL TYPE. SEE DETAIL 6/P501.
L-2	LAVATORY ADA	AMERICAN STANDARD	0355.012	WALL	1/2"	1/2"	1 1/2"	1 1/2"	COLOR WHITE. PROVIDE CHICAGO FAUCET 420-CP FAUCET. PROVIDE MCGUIRE HD155W OFFSET STRAINER, 8902C P-TRAP, & LFBV2165CC SUPPLY STOPS. TRUEBRO LAV GUARD 2 PIPE COVERS. WADE CARRIER 520-08. REFER TO ARCHITECT'S PLANS FOR MOUNTING HEIGHT AND WALL TYPE. ADA INSTALLATION.
WC-1	WATER CLOSET ADA	AMERICAN STANDARD	2257.101	WALL	1 1/4"	-	4"	-	COLOR WHITE. PROVIDE SLOAN ROYAL 111-1.6 SFSM BATTERY OPERATED FLUSH VALVE. PROVIDE BEMIS 165SSSCT OPEN FRONT ELONGATED SEAT. EXTERNAL CHECK HINGE, COLOR WHITE. WADE WALL CARRIER. REFER TO ARCHITECT'S PLANS FOR HEIGHT AND WALL TYPE. ADA INSTALLATION.
WC-2	WATER CLOSET	AMERICAN STANDARD	2257.101	WALL	1 1/4"	-	4"	-	COLOR WHITE. PROVIDE SLOAN ROYAL 111-1.6 SFSM BATTERY OPERATED FLUSH VALVE. PROVIDE BEMIS 165SSSCT OPEN FRONT ELONGATED SEAT. EXTERNAL CHECK HINGE, COLOR WHITE. WADE WALL CARRIER. REFER TO ARCHITECT'S PLANS FOR HEIGHT AND WALL TYPE.
WC-3	WATER CLOSET ADA	AMERICAN STANDARD	3043.001	FLOOR	1 1/4"	-	3"	-	COLOR WHITE. PROVIDE SLOAN ROYAL 111-1.6 SFSM BATTERY OPERATED FLUSH VALVE. PROVIDE BEMIS 165SSSCT OPEN FRONT ELONGATED SEAT. EXTERNAL CHECK HINGE, COLOR WHITE. WAX RING INSTALL KIT. ADA INSTALLATION. RIM HEIGHT 16.5"
MS-1	MOP SINK	FIAT	TSB-3000 24x24x12	FLOOR	1/2"	1/2"	3"	1 1/2"	PROVIDE 832MA HOSE & BRACKET, 889-CC MOP BRACKET, MSG 2424 SS WALL GUARDS, PROVIDE T&S BRASS FAUCET B-0665-BSTR, ASSE 1011 APPROVED HOSE CONNECTION VACUUM BREAKER, WATTS LFBA OR APPROVED EQUAL.
S-1	SINK (SCIENCE ROOM)	ELKAY	DRKAD282260 RC	COUNTER	1/2"	1/2"	1 1/2"	1 1/2"	SINK PACKAGE WITH FAUCET AT BACK, LEVER HANDLE ON LEFT SIDE CENTERED ON BOWL, BUBBLER ON RIGHT, 6" SINK DEPTH, LKAD35 OFFSET TAILPIECE W/STRAINER. PROVIDE MCGUIRE 8912 P-TRAP & LFBV2165SS SUPPLY STOPS. INSTALL MIXING VALVE TMV-1 UNDER SINK. SEE DETAIL 8/P501.
S-2	SINK LAB STORAGE	ELKAY	LRAD2219602	COUNTERTOP	1/2"	1/2"	1 1/2"	1 1/2"	SINGLE BOWL 6.0" DEEP, 2 FAUCET HOLES, REAR CENTER DRAIN. PROVIDE ELKAY LKAD35 OFFSET DRAIN & ELKAY LK406GN05T4 FAUCET, MCGUIRE 8912 P-TRAP & LFBV2165 SUPPLY STOPS. INSTALL MIXING VALVE TMV-1 UNDER SINK. SEE DETAIL 5/P501.
S-3	SINK	ELKAY	LRAD1919603	COUNTERTOP	1/2"	1/2"	1 1/2"	1 1/2"	SINGLE BOWL, S.S. 6" DEEP, 2 FAUCET HOLES. PROVIDE ELKAY LK406GN05T4 FAUCET, ELKAY DRAIN LK35, PROVIDE MCGUIRE 8912 P-TRAP & LFBV2165 SUPPLY STOPS. INSTALL MIXING VALVE TMV-1 UNDER UNIT.
EW-1	ELECTRIC WATER COOLER DUAL	ELKAY	LZSTL8WSVRSK	WALL	1/2"	-	1 1/2"	1 1/2"	DUAL LEVEL VANDAL-RESISTANT WITH PUSH BUTTON ACTIVATION, SENSOR WATER BOTTLE FILLING STATION ON LOWER UNIT, FILTERED, 120 VOLT. PROVIDE ELKAY CANE APRON LKAPREZL ON UPPER UNIT. PROVIDE PVC P-TRAP AND 1/4 TURN SUPPLY STOP. REFER TO ARCHITECT'S PLANS FOR MOUNTING HEIGHT & WALL TYPE. ADA INSTALLATION.
FD	FLOOR DRAIN	WADE	1100-DA6-1 VP	FLOOR	-	-	SEE PLANS	-	6" ROUND NICKEL BRONZE STRAINER. CAST IRON BODY ANCHOR FLANGE, CLAMP COLLAR, ADJUSTABLE COLLAR, ADJUSTABLE STRAINER HEIGHT, VANDAL-PROOF SECURED TOP, 1/2" TRAP PRIMER CONNECTION.
FS-1	FLOOR SINK	WADE	9110-64-15-26-27	FLOOR	-	-	3"	-	8"x8" TOP, 6" DEEP. CAST IRON BODY WITH WHITE A.R.E. INTERIOR, 1/2 GRATE, SEDIMENT BUCKET, ANCHOR FLANGE WITH CLAMPING COLLAR.
FO	FLOOR CLEANOUT	WADE	6000-1-VP	FLOOR	-	-	SEE PLANS	-	6" ROUND NICKEL BRONZE TOP. CAST IRON BODY, ADJUSTABLE COLLAR, ANCHOR FLANGE, COVER HEIGHT ADJUSTMENT AFTER FLOOR IS POURED, COVER WITH VANDAL RESISTANT SCREWS.
WCO	WALL CLEANOUT	WADE	8560-75 8304-VP	WALL	-	-	SEE PLANS	-	CAST IRON CLEANOUT TEE, THREADED BRASS PLUG, PROVIDE 8304-VP STAINLESS STEEL 6" ROUND ACCESS COVER WITH VANDAL RESISTANT SECURING SCREW.
ECO	EXTERIOR CLEANOUT	WADE	8401-12 COF4-VP-81	GRADE	-	-	SEE PLANS	-	CAST IRON CLEANOUT ACCESS HOUSING, ANCHOR FLANGE, SECURED GASKETED COVER WITH CLEANOUT FERRULE WITH ABS PLUG. VANDAL PROOF SCREWS.
BWV	BACKWATER VALVE (SANITARY)	RECTORSEAL	97034	GRADE	-	-	4"	-	PVC BODY, FLAPPER WITH EXTENSION AND CAP. PROVIDE PVC SLEEVE TO FLUSH WITH FINISH GRADE. FIELD VERIFY DEPTH OF ACCESS HOUSING. ASSEMBLY MEETS IPC CODES. SEE DETAIL SHEET P501.
RD	ROOF DRAIN	WADE	3000-42-ADF -53	ROOF	-	-	SEE PLANS	-	DURA-COATED CAST IRON BODY, CAST IRON DOME, COMBINATION MEMBRANE FLASHING CLAMP/GRAVEL GUARD, ADJUSTABLE EXTENSION ASSEMBLY & UNDER DECK CLAMP.
ORD	OVERFLOW ROOF DRAIN	WADE	3000-42-ADF -53-D2	ROOF	-	-	SEE PLANS	-	DURA-COATED CAST IRON BODY, CAST IRON DOME, COMBINATION MEMBRANE FLASHING CLAMP/GRAVEL GUARD, ADJUSTABLE EXTENSION ASSEMBLY & UNDER DECK CLAMP, 2" HIGH EXTERNAL WATER DAM.
DS	DOWN SPOUT	RECTORSEAL	G-0-N	PIPE	-	-	SEE PLANS	-	CAST NICKEL BRASS BODY, OFFSET NOZZLE, WALL FLANGE.
BWV	BACKWATER VALVE (SANITARY)	RECTORSEAL	97034	GRADE	-	-	4"	-	PVC BODY, FLAPPER WITH EXTENSION AND CAP. PROVIDE PVC SLEEVE TO FLUSH WITH FINISH GRADE. FIELD VERIFY DEPTH OF ACCESS HOUSING. ASSEMBLY MEETS IPC CODES. SEE DETAIL SHEET P501.
FWH	FREEZELESS WALL HYDRANT	WOODFORD	B65	WALL	3/4"	-	-	-	CONCEALED BOX TYPE WITH HINGED DOOR, CHROME FINISH, ASSE STANDARD 1019, INSTALL AT MINIMUM 18" ABOVE GRADE, GIVE HYDRANT KEY TO OWNER.
FRH	FREEZELESS ROOF HYDRANT	WOODFORD	SRH-MS	ROOF	3/4"	-	-	-	FREEZELESS HYDRANT, ROOF MOUNTING ASSEMBLY & SUPPORT, THREADED HOSE OUTLET WITH DUAL CHECK BFP ASSE 1052. COORDINATE INSTALLATION WITH ROOFING CONTRACTOR.
HA-1	HAMMER ARRESTOR	SIoux CHIEF	650 SERIES	PIPE	VARIABLES	-	-	-	LEAD-FREE CONSTRUCTION, ANSI/ASSE 1010 LISTED, PRE-CHARGED, PERMANENT SEALED AIR CHAMBER. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
TP-1	TRAP PRIMER ELECTRONIC	SIoux CHIEF	695-ES01	PIPE	1/2"	-	-	-	ELECTRONIC UNIT WITH 24 HOUR ELECTRIC TIMER, SOLENOID VALVE, INTEGRAL BALL VALVE, WATER HAMMER ARRESTOR & AIR GAP, 1/2" CW INLET & OUTLET, 120V POWER HARD-WIRED, COORDINATE WITH EC. PROVIDE STRAINER PRIOR TO UNIT. PROVIDE DISTRIBUTION SPLITTER. SEE DETAIL SHEET P501.
AP-1	ACCESS PANEL	ELMDOR	DW 14x14 CL-SS	WALL	-	-	-	-	14"x14" STEEL, 16 GAGE DOOR & FRAME, CONCEALED HINGE, CYLINDER LOCK & KEY, STAINLESS STEEL FINISH. CONCEALED FASTENING POINTS.
TMV-1	THERMOSTATIC MIXING VALVE	WATTS	LFMMV-M1	UNDER FIXTURE	1/2"	1/2"	-	-	MIXING VALVE WITH LEAD FREE DESIGN, ADJUSTABLE TEMPERATURE SET-POINT & LOCKABLE, INTEGRAL CHECK STOPS & STRAINERS, 3/8" INLETS & OUTLET. SET OUTLET TEMP AT 105 DEGREES F. ASSE 1070 LISTED.
WB-1	WATER BOX	SIoux CHIEF	696-G1010WF	WALL	1/2"	-	-	-	RECESSED WALL MOUNTED BOX WITH FLANGE, 1/4 TURN BALL VALVE WITH HAMMER ARRESTOR AND 1/4" OUTLET. COORDINATE INSTALL HEIGHT WITH EQUIPMENT SUPPLIER.
TG-1	TRAP GUARD	RECTORSEAL	SURESEAL	PIPE	-	-	SEE PLANS	-	ONLY PROVIDE TRAP GUARDS IF ALLOWED BY AHJ. ASSE 1072 LISTED, HDPE OR ABS PLASTIC HOUSING WITH HEAVY DUTY SILICONE DIAPHRAGM & RUBBER SEALING GASKET TO PREVENT EVAPORATION OF TRAP SEAL. INSTALL UNIT IN FLOOR DRAINS, FLOOR SINKS AND HUB DRAINS.
TBY-1	THERMOSTATIC BALANCING VALVE	CALEFFI	THERMOSTATER SERIES 116141AC-001	PIPE	1/2"	-	-	-	1/2" THERMOSTATIC BALANCING VALVE ASSEMBLY, TEMPERATURE GAUGE, CHECK VALVE, BALL VALVE ON EACH SIDE OF VALVE. COORDINATE HWR TEMPERATURE WITH OWNER.

GAS WATER HEATER SCHEDULE									
MARK	LOCATION	TEMPERATURE RISE	FLOW RATE GAL/MIN	CAPACITY (GALLONS)	MBH INPUT MAX	AIR INTAKE	FLUE EXHAUST	MANUFACTURER & MODEL NO.	NOTES
WH 1	MECH/ELEC ROOM 15	(50F - 120F) 70F	5.5	TANKLESS	199.9	3"	3"	NVAIEN NPE-240S2	ALL
WH 2	MECH/ELEC ROOM 15	(50F - 120F) 70F	5.5	TANKLESS	199.9	3"	3"	NVAIEN NPE-240S2	ALL

NOTES:

- INSTALL AND VENT PER MANUFACTURER'S RECOMMENDATIONS.
- COORDINATE POWER SUPPLY WITH ELECTRICAL CONTRACTOR. POWER SUPPLY TO UNIT 120V, 2 AMP (GFCI OUTLET).
- PROVIDE AMTROL ST-5 THERMAL EXPANSION TANK ON COLD WATER LINE.
- PROVIDE CLEAR WATER ENVIRO TECHNOLOGIES SCALEBLASTER MODEL SB-250 ELECTRONIC DESCALER. COORDINATE 120 VOLT OUTLETS WITH EC.
- PROVIDE NAVEIN CONDENSATE NEUTRALIZER KIT AND OVERFLOW BY-PASS PIPING TO FLOOR SINK PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE NAVEIN CONCENTRIC INTAKE/EXHAUST VENT THRU ROOF.
- PROVIDE NAVEIN READY-LINK COMMUNICATIONS CABLE.
- PROVIDE NAVEIN PLUMB EASY VALVE SET.
- PROVIDE NAVEIN READY-LINK WALL MOUNT PIPING MANIFOLD SYSTEM FOR WATER HEATERS.
- SEE DETAILS SHEET P501 FOR MORE INFORMATION.

ELECTRIC WATER HEATER SCHEDULE									
MARK	LOCATION	TEMPERATURE RISE	CAPACITY GALLONS	AMPS	ELEMENT KW	VOLTAGE	PHASE	MANUFACTURER & MODEL NO.	NOTES
EW 1	CUST ROOM	70 DEG @ 25 GPH	30	22	4.5	208	1	AO SMITH DEL-30	ALL

NOTES:

- INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- SET OUTLET TEMPERATURE TO 120F. VERIFY TEMPERATURE WITH OWNER.
- PROVIDE AMTROL ST-5 THERMAL EXPANSION TANK ON COLD WATER LINE TO WATER HEATER.
- PROVIDE HOLD RITE FLOOR STAND MODEL 40-S-24-U WITH DRAIN PAN MODEL QP-26 OR APPROVED EQUAL.
- EW-1 SERVED BY CP-2.
- COORDINATE WIRING WITH E.C.
- SEE DETAIL SHEET P501 FOR MORE INFORMATION.

CIRCULATION PUMP SCHEDULE										
MARK	MAXIMUM WORKING PRESSURE	MAXIMUM OPERATING TEMP (°F)	ELECTRICAL CHAR	MOTOR			FLANGE SIZE (INCHES)	MATERIAL	MANUFACTURER & MODEL NO.	NOTES
				F.L. AMPS	HP	RPM				
CP 1	150 PSI	225	115/60/1	3.5	1/6	3300	3/4"	S.S.	GRUNDFOS UPS 26-150 SF	1-4,6,7
CP 2	150 PSI	225	115/60/1	3.5	1/6	3300	3/4"	S.S.	GRUNDFOS ALPHA 15-55 HWR	1,4,5,6,7

NOTES:

- PROVIDE GRUNDFOS BRONZE 3/4" FLANGE SET.
- CP-1 DATA: 4 GPM AT 35 FEET HEAD.
- PROVIDE HONEYWELL AQUASTAT L6006C, STRAP TO HWR PIPE.
- PROVIDE 24 HOUR TIMER, INTERMATIC DT620 - SET TIMER PER OWNER'S REQUIREMENTS.
- CP-2: 0.6 GPM, 5 FEET HEAD. PROVIDE AQUASTAT, STRAP TO HWR PIPE.
- COORDINATE WIRING WITH E.C.
- SEE DETAIL SHEET P501 FOR MORE INFORMATION.

GAS LOAD TABLE					
MARK	INPUT (MBH)	REQUIRED PRESSURE	REQUIRED REGULATOR	SYSTEM PRESSURE	NOTES
F-1	100	7"	NONE	LOW	1,2,3
F-2	100	7"	NONE	LOW	1,2,3
F-3	100	7"	NONE	LOW	1,2,3
F-4	100	7"	NONE	LOW	1,2,3
F-5	100	7"	NONE	LOW	1,2,3
F-6	100	7"	NONE	LOW	1,2,3
F-7	100	7"	NONE	LOW	1,2,3
F-8	100	7"	NONE	LOW	1,2,3
F-9	100	7"	NONE	LOW	1,2,3
F-10	100	7"	NONE	LOW	1,2,3
F-11	100	7"	NONE	LOW	1,2,3
F-12	100	7"	NONE	LOW	1,2,3
F-13	120	7"	NONE	LOW	1,2,3
F-14	120	7"	NONE	LOW	1,2,3
WH-1	199.9	7"	NONE	LOW	1,2,3
WH-2	199.9	7"	NONE	LOW	1,2,3
TOTAL LOAD	1840 MBH				

NOTES:

- INSTALL AND VENT REGULATOR PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE VENT LIMITING DEVICE IF REQUIRED FOR INDOOR REGULATORS EQUIPPED WITH INTEGRAL VENT LIMITING ORIFICE MODEL 12A09.
- COORDINATE WITH MECHANICAL CONTRACTOR FOR EQUIPMENT LOCATIONS AND REQUIRED CONNECTION.
- PROVIDE VENT LIMITING DEVICE IF REQUIRED FOR INDOOR REGULATORS EQUIPPED WITH INTEGRAL VENT LIMITING ORIFICE MODEL 12A39.

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